

**REMARKS**

The Examiner's indication of allowable subject matter of claims 3-5 as well as allowability of claims 7-16 and 18 is noted with appreciation. Claims 3-5 have been rewritten in independent form as kindly suggested by the Examiner in the Office Action.

The Examiner's *35 U.S.C. 103(a)* rejection of claims 1-2 and 17 is also noted. Although, Applicants do not agree with the Examiner's rejection for at least the reasons advanced in the previous Amendments, claims 1-2 and 17 have nevertheless been cancelled to immediately place the instant application in condition for allowance.

All pending claims in the this application, i.e., claims 3-5, 7-16, and 18, stand allowable. Early issuance of a Notice of Allowance is courteously solicited.

Respectfully submitted,

LOWE HAUPTMAN GILMAN & BERNER, LLP

Benjamin J. Hauptman  
Registration No. 29,310

USPTO Customer No. 22429  
1700 Diagonal Road, Suite 310  
Alexandria, VA 22314  
(703) 684-1111  
(703) 518-5499 Facsimile  
Date: March 3, 2003  
BJH/lcw

**MARKED-UP VERSION SHOWING CHANGES MADE**

Please cancel claims 1, 2 and 17 without prejudice or disclaimer.

Please amend claims 3-5 as follows:

3. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;  
a conductive adhesive being spread on the supporting protuberances;  
a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;  
a cover secured to the housing and positioned upon the quartz blank; and  
an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

[The crystal oscillator as claimed in claim 1,] wherein the insulating resin layer disposed upon the supporting part of the quartz blank is also formed between sides of the supporting part of the quartz blank and side walls of the housing.

4. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;  
a conductive adhesive being spread on the supporting protuberances;  
a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;  
a cover secured to the housing and positioned upon the quartz blank; and  
an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

[The crystal oscillator as claimed in claim 1,] wherein the insulating resin layer disposed upon the supporting part of the quartz blank extends along an entire top surface and entire side faces of the supporting part of the quartz blank.

5. (Twice Amended) A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;  
a conductive adhesive being spread on the supporting protuberances;  
a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;  
a cover secured to the housing and positioned upon the quartz blank; and  
an insulating resin layer placed between the cover and the supporting part of the quartz blank, for elastically pressing down the conductive adhesive;

[The crystal oscillator as claimed in claim 1,] wherein the insulating resin layer disposed upon the supporting part of the quartz blank partially covers a top surface and each of side faces of the supporting part of the quartz blank.